

APPENDIX B



IN THE U.S. PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

APPLICANTS: Jamshid Eftekhari

SERIAL NO.: 09/766,022 FILING DATE: January 19, 2001

EXAMINER: Nguyen, Jennifer T. ART UNIT: 2674

ATTORNEY'S DOCKET NO.: 882.0012.U1(US)

TITLE: METHOD AND APPARATUS FOR MAPPING AN INPUT LOCATION WITH
A DISPLAYED FUNCTIONAL REPRESENTATION

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313

RESPONSE TO OFFICE ACTION

Sir:

This paper is herewith filed in response to the Patent Office's Non-Final Office Action mailed on June 08, 2006, for the above-captioned U.S. Patent Application. As such, a petition for a one month extension of time is made and a one month extension of time fee of \$ 120 is enclosed, as this response is herewith filed within one month after the expiration of the shortened statutory period. Please charge deposit account no.: 50-1924 for any required fee deficiency.

Please amend the application as shown below.

The amendment to the claims begins on page 2.

The remarks begin on page 7.

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AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Please cancel claims 2, 3, and 18 without prejudice.

Listing of Claims:

1. (Currently Amended) A method in a device having a plurality of character-entry pressure points for selecting a function in a markup language file comprising:
 - a) reading the markup language file;
 - b) detecting a reference in a handheld device to a character encoding having a corresponding function, the corresponding function being displayed in a display of the handheld device;
 - c) illuminating substantially only one at least one character-entry pressure point corresponding to having the a character encoding, the substantially only one character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function;
 - d) detecting an entry by the character-entry pressure point; and
 - e) triggering the navigation function.
2. (Canceled).
3. (Canceled).
4. (Previously Presented) The method of claim 1 wherein detecting an entry by the character-entry pressure point comprises detecting a key-press.
5. (Previously Presented) The method of claim 1 wherein detecting an entry by the character-entry pressure point comprises detecting a key-release.

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6. (Previously Presented) The method of claim 1 wherein detecting an entry by the character entry pressure point comprises detecting a long-duration key-press.
7. (Currently Amended) The method of claim 1 wherein triggering a function comprises displaying a card that corresponds to a single character-entry pressure point.
8. (Previously Presented) The method of claim 7 wherein triggering a function further comprises reading a deck.
9. (Previously Presented) The method of claim 1 wherein triggering a function further comprises moving a cursor.
10. (Currently Amended) A method for selecting a navigation function in a markup language file comprising:

reading the markup language file;

detecting a reference in a handheld device to a character encoding having a corresponding navigation function, the corresponding navigation function being displayed in a display of the handheld device;

illuminating substantially only one ~~a~~ character-entry pressure point corresponding to having the character ~~a~~ character-encoding, the substantially only one character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function;

detecting a pressure actuation of the character-entry pressure point;

triggering the navigation function.
11. (Previously Presented) The method for selecting a navigation function of claim 10 wherein illuminating a character-entry pressure point comprises illuminating a light emitting diode (LED) near the character-entry pressure point.
12. (Previously Presented) The method for selecting a navigation function of claim 10

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wherein detecting comprises sensing a circuit closure.

13. (Previously Presented) The method for selecting a navigation function of claim 10 wherein detecting comprises sensing a long duration circuit closure.

14. (Previously Presented) The method for selecting a navigation function of claim 10 wherein detecting comprises sensing a circuit opening.

15. (Previously Presented) The method for selecting of claim 11 wherein displaying a change further comprises displaying a portion of a markup language card.

16. (Previously Presented) The method for selecting of claim 15 wherein triggering comprises reading a second markup language file.

17. (Currently Amended) A device having a plurality of character-entry pressure points for selecting a function in a markup language file comprising:

a) means for reading the markup language file;

b) means for detecting a reference in a handheld device to a character encoding having a corresponding function, the corresponding function being displayed in a display of the handheld device;

c) means for illuminating substantially only one ~~at least one~~ character-entry pressure point corresponding to having the a character encoding, the substantially only one character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function;

d) means for detecting a entry by the character-entry pressure point; and

e) means for triggering the function.

18. (Canceled).

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19. (Currently Amended) The device of claim 17 wherein the device has displayed a number of references and the means for illuminating the substantially only one ~~at least one~~ character-entry pressure point comprises means for illuminating the number of character-entry pressure points.
20. (Currently Amended) The device of claim 17 wherein the means for detecting an entry by the substantially only one character-entry pressure point comprises means for detecting a key-press.
21. (Currently Amended) The device of claim 17 wherein the means for detecting an entry by the substantially only one character-entry pressure point comprises means for detecting a key-release.
22. (Currently Amended) The device of claim 17 wherein the means for detecting an entry by the substantially only one character entry pressure point comprises means for detecting a long-duration key-press.
23. (Currently Amended) The device of claim 17 wherein the means for triggering a function comprises means for displaying a card in response to a key press of a single character-entry pressure point.
24. (Previously Presented) The device of claim 23 wherein the means for triggering a function further comprises means for reading a deck.
25. (Previously Presented) The device of claim 17 wherein the means for triggering a function further comprises means for moving a cursor.
26. (Currently Amended) A wireless device comprising a display, a manual user data entry device, and a CPU programmed to parse a file to identify at least one occurrence of a string representing a hyperlink and to associate individual ones of identified string occurrences with individual ones of colors associated with the manual user data entry device of said wireless device using a zone approach in which a color of a hyperlink is reassigned as the hyperlink is repositioned in a viewable window of the display, wherein individual ones of colors associated with the manual user data entry device of said wireless device are illuminable character-entry

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pressure points such that when one of the character-entry pressure points is selected by a user substantially only that character-entry pressure point is illuminated.

27. (Previously Presented) A wireless device as in claim 26, where said CPU is further programmed to illuminate said manual user data entry device with a sufficient number of colors to represent the identified string occurrences.

28. (Previously Presented) A wireless device as in claim 26, where said wireless device comprises one of a mobile phone, a pager and an electronic organizer.

29. (Previously Presented) A wireless device as in claim 28, where said file is received through a wireless link using a wireless transceiver having an output coupled to said CPU.

30. (Previously Presented) The method for selecting a navigation function of claim 10 further comprising color coding and displaying the navigation function on a display screen of the wireless device after detecting a reference to a character encoding having a corresponding navigation function and before illuminating a character-entry pressure point corresponding to the character encoding.

31. (Previously Presented) The method for selecting a navigation function of claim 30 further comprising reassigning the color of a navigation function when the navigation function moves on a display screen of the wireless device after triggering the navigation function.

32. (Previously Presented) The device of claim 17 further comprising
means for color coding and displaying the corresponding function on a display screen of the device; and

means for reassigning a color of the corresponding function of a character encoding, wherein the color coding of each character-entry point and a corresponding character encoding have similar colors.

33. (Currently Amended) A method for selecting a navigation function in a markup language file comprising:

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reading the markup language file in a wireless device;

detecting a reference to a character encoding having a corresponding navigation function;

color coding and displaying the navigation function on a display screen of the wireless device;

illuminating a character-entry pressure point corresponding to the character encoding when the character-entry pressure point is selected without significant illumination of nearby unselected character-entry pressure points, wherein a color associated with a character-entry pressure point corresponds to a color of the corresponding navigation function;

detecting a pressure actuation of the character-entry pressure point;

triggering the navigation function; and

reassigning the color of a navigation function when the navigation function moves on a display screen of the wireless device.

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REMARKS

Claims 1, 4-17, and 19-33 are currently pending. Claims 2, 3, and 18 have been canceled without prejudice. Claims 1, 7, 10, 17, 19-23, 26, and 33 have been amended and are supported by canceled claims 2, 3, and 18, and by page 9, lines 32-37, and page 10, lines 1-19, of the specification as filed. It is respectfully submitted that no new matter has been added.

The Patent Office rejected claims 1-28 and 30-33 under 35 U.S.C. 103(a) as being unpatentable over Edwards, U.S. Patent No. 6,952,799, in view of Kaizu, U.S. Patent No. 5,607,048.

Claim 1 recites

A method in a device having a plurality of character-entry pressure points for selecting a function in a markup language file comprising: a) reading the markup language file; b) detecting a reference in a handheld device to a character encoding having a corresponding function, the corresponding function being displayed in a display of the handheld device; c) illuminating substantially only one character-entry pressure point corresponding to the character encoding, the at least one character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function; d) detecting an entry by the character-entry pressure point; and e) triggering the navigation function.

Claim 10 recites

A method for selecting a navigation function in a markup language file comprising: reading the markup language file; detecting a reference in a handheld device to a character encoding having a corresponding navigation function, the corresponding navigation function being displayed in a display of the handheld device; illuminating substantially only one a character-entry pressure point corresponding to the character

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encoding, the character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function; detecting a pressure actuation of the character-entry pressure point; triggering the navigation function.

Claim 17 recites

A device having a plurality of character-entry pressure points for selecting a function in a markup language file comprising: a) means for reading the markup language file; b) means for detecting a reference in a handheld device to a character encoding having a corresponding function, the corresponding function being displayed in a display of the handheld device; c) means for illuminating substantially only one character-entry pressure point corresponding to the character encoding, the at least one character-entry pressure point being disposed in an input area of the handheld device in proximity to the display of the handheld device, wherein a color associated with a character-entry pressure point when illuminated corresponds to a color of the corresponding navigation function; d) means for detecting a entry by the character-entry pressure point; and e) means for triggering the function.

Claim 26 recites

A wireless device comprising a display, a manual user data entry device, and a CPU programmed to parse a file to identify at least one occurrence of a string representing a hyperlink and to associate individual ones of identified string occurrences with individual ones of colors associated with the manual user data entry device of said wireless device using a zone approach in which a color of a hyperlink is reassigned as the hyperlink is repositioned in a viewable window of the display, wherein

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individual ones of colors associated with the manual user data entry device of said wireless device are illuminable character-entry pressure points such that when one of the character-entry pressure points is selected by a user substantially only that character-entry pressure point is illuminated.

Claim 33 recites

A method for selecting a navigation function in a markup language file comprising: reading the markup language file in a wireless device; detecting a reference to a character encoding having a corresponding navigation function; color coding and displaying the navigation function on a display screen of the wireless device; illuminating a character-entry pressure point corresponding to the character encoding when the character-entry pressure point is selected without significant illumination of nearby unselected character-entry pressure points, wherein a color associated with a character-entry pressure point corresponds to a color of the corresponding navigation function; detecting a pressure actuation of the character-entry pressure point; triggering the navigation function; and reassigning the color of a navigation function when the navigation function moves on a display screen of the wireless device.

Edwards does not disclose illuminating substantially only one character-entry pressure point or illuminating a character-entry pressure point corresponding to the character encoding when the character-entry pressure point is selected without significant illumination of nearby unselected character-entry pressure points. Instead, Edwards discloses colored buttons (col. 3, lines 42-48 and 54; col. 6, lines 48-55; col. 7, lines 32-37; col. 14, lines 17-21; col. 16, lines 43-45; col. 17, lines 5-17) that appear to be painted or marked and not illuminated.



Kaizu discloses a membrane switch in which light is distributed to the entire keypad from one or more light emitting diodes. Kaizu does not disclose or suggest that substantially only one or substantially individual character-entry pressure points are illuminated and so does not remedy the deficiency of Edwards. Accordingly, claims 1, 4-17, and 19-32 are allowable over the prior

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art of record.

Claims 7, 8, 15, 23, and 24 were alleged by the Patent Office to be taught by Edwards from column 5, line 59, to column 6, line 12. This text is reproduced below as follows:

The Body 205: the main portion of the screen is devoted to displaying WWW pages and/or processed WWW information. This part of the screen can be scrolled so that viewed pages can be larger than the available screen area. (The masthead and footer are not affected by this scrolling.) In general, pages which are displayed are made up of five major elements: Headings which are normally large and in bold type. In this case, "Main Index" is shown. Text Links 215 (normally shown as highlighted text with an optional preceding three digit number Graphics (pictures) Tables Some pages, for instance home pages for particular services, may be simply a list of links from which the user can select further pages to access. The further pages will then generally comprise a mix of text and/or graphics and tables, with links embedded at irregular positions. The example shown in FIG. 2 is of the home page type, showing simply a list of links.

The cited text of Edwards does not disclose a card, reading a deck, or displaying a deck. Regarding the remarks on page 6 of the Office Action dated June 08, 2006, the welcome screen of Figure 2, the links 215 and labels 220, and/or the disclosure in Edwards, column 7, lines 25-42, do not teach or suggest a deck or a card. Kaizu does not remedy the deficiencies of Edwards.

Claim 7 recites "triggering a function comprises displaying a card that corresponds to a single character-entry pressure point." Edwards discloses (col. 17, lines 5-22) picture elements, such as GIF graphics, but does not disclose displaying a card. Furthermore, neither Edwards nor Kaizu disclose or suggest that a card corresponds to a single character-entry pressure point. Thus, claim 7 is not made obvious by Edwards in view of Kaizu.

Claims 8 and 24 recite "reading a deck," a limitation that does not appear to be disclosed or fairly suggested by Edwards. Edwards discloses (col. 9, lines 30-67) paging using world wide

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web addresses. Thus, claims 8 and 24 are not made obvious by Edwards in view of Kaizu for this additional reason.

Claim 23 recites "wherein the means for triggering a function comprises means for displaying a card in response to a key press of a single character-entry pressure point," a limitation that does not appear to be disclosed or fairly suggested by Edwards. Edwards discloses (col. 17, lines 5-22) picture elements, such as GIF graphics, but does not disclose displaying a card. Thus, claim 23 is not made obvious by Edwards in view of Kaizu for this additional reason.

Claims 6, 13, and 22 recite a long-duration key press or long-duration circuit closure. The cited passage of Edwards, column 7, lines 25-31, are silent with respect to long-duration selection keys or circuits. Thus, claims 6, 13, and 22 are allowable over the prior art of record.

The Patent Office rejected claim 29 under 35 U.S.C. 103(a) as being unpatentable over Edwards in view of Kaizu and further in view of Hawkins, U.S. Patent No. 6,781,575.

Claim 29 is allowable because it depends from allowable base and intervening claims.

Regarding the remarks on page 6 of the Office Action dated June 08, 2006, the welcome screen of Figure 2, the links 215 and labels 220, and/or the disclosure in Edwards, column 7, lines 25-42, do not teach or suggest a deck or a card.

The Patent Office is respectfully requested to reconsider and remove the rejections of the claims 1, 4-17, 19-33 under 35 U.S.C. 103(a) based on Edwards in view of Kaizu, whether or not in combination with Hawkins, and to allow all of the pending claims 1, 4-17, 19-33 as now presented for examination. An early notification of the allowability of claims 1, 4-17, 19-33 is earnestly solicited.



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Respectfully submitted:

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October 6, 2006

Date

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450.

10-6-06

Date

Ann Okrentowich

Name of Person Making Deposit

Notice of Allowability

Application No.	Applicant(s)	
09/766,022	EFTEKHARI, JAMSHID	
Examiner	Art Unit	
Jennifer T. Nguyen	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10-16-06
2. ☒ The allowed claim(s) is/are 1,4-17 and 19-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

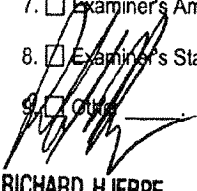
* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other |


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Jennifer T Nguyen
Examiner
Art Unit: 2629